



November 1, 2022

Mr. Ralph Ruffolo
2926-30 75th St.
Kenosha, WI 53143

Sent via: rjr.ruffolo@gmail.com

**Subject: Immediate Action Vapor Intrusion Investigation Report
2926 and 2930 75th St., Kenosha, WI 53143**

Dear Mr. Ruffolo:

This letter presents the finding of vapor intrusion (VI) sampling recently completed at your shop at 2926 and 2930 75th St. in Kenosha, WI (Site). The location is depicted in the attached Figure 1. The immediate actions completed included the installation of eight (8) semi-permanent VI sub-slab sampling locations, and the collection of VI samples from the new locations. This work was completed because of a Wisconsin Department of Natural Resources (WDNR) request to meet the requirements of Wis. Admin. Code § NR 708.05(2), which requires the responsible party to immediately take action to halt a hazardous substance discharge or environmental pollution and to minimize the harmful effects of the discharge or environmental pollution to the air, lands or waters of the state.

Property History

The following information was taken from data provided in a Phase I Environmental Site Assessment (ESA) report prepared for the Site in July 2022, and from other noted sources.

Information observed from aerial photographs of the Site, from a recently completed Phase I ESA report, depicts a building on the far east side of the Site, prior to 1937. According to a 1949 Sanborn fire insurance map, it was identified as a gas station and dwelling, containing three (3) underground storage tanks (USTs), at 2918 75th St. A 1962 city directory listing identified the station as Gene's High Speed Service Station - Gas Station. The gas station building was last observed on an aerial photograph and on a fire insurance map, both dated 1969. The building was not present in the next available aerial photograph, taken in 1979. This area is now a storage yard for a landscaping firm, and a paved parking lot.

The west side of the Site (where the current building is situated) was developed around 1950, when a building approximately one half the size of the current structure was built (the



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building was not present on a 1949 fire insurance map). A 1969 fire insurance map shows an addition was made to the east side of the building. The outline of the building on the 1969 fire insurance map matches the outline and location of the current Site building. Both buildings are slab-on-grade, concrete block-constructed, and approximately 13 feet high. City directory listings show the west part of the Site was occupied by a tree, lawn, and garden center from at least 1954 until sometime in the mid-1980s, when you purchased the Site property. As you indicated in the Phase I ESA report, the Site was occupied by a landscaping business and used auto dealership prior to your acquisition. We understand that during your ownership of the Site, it has been used as a retail shop for wind surfers, clothing, sailing equipment, skateboards, general sporting goods, and bicycles. City directory listings also show it was leased to a firm manufacturing advertising signs. The most recent use of the Site is as a bicycle and skateboard shop, with a small area dedicated to clothing and accessories for both markets. The northeast quarter of the Site is rented to a landscaping and plowing business for use as a storage yard.

The adjacent auto repair garage to the west, at 7421 30th Ave., was established sometime between 1937 and 1941, based on aerial photographs. Fire insurance maps from 1949 and 1969 identify this facility as a “CARR.SHOP.” This property, currently listed as Porcaro Automotive, has been listed in city directories since 1988 until at least 2010 as Porcaro Automotive Sales and Porcaro Automotive. The same property, with an alternate address of 2936 75th St., was identified in a 1962 city directory listing as Wisconsin Auto Seat Cover Co.

Sampling Methods

VI Sample Pin Installation. A total of eight (8) VI sample pins were installed inside the Site building. The sampling locations are depicted on the attached Figure 2. The VI sample pins were placed such that an equal number of pins were installed on each half of the building.

The VI sample pins were installed by using a hammer drill to drill a 1.5-inch-diameter hole approximately one-inch deep. A second 5/8-inch-diameter hole was then drilled through the center of the larger hole, through the concrete floor and into the granular subgrade. Stainless-steel vapor pins, manufactured by Cox-Colvin & Associates, Inc., were driven into the smaller hole. Silicon sleeves were attached to the vapor pins to form air-tight seals between the pins and the opening in the concrete. The integrities of the vapor pin seals were checked by adding distilled water to the larger openings. The water levels inside the space between the concrete and vapor pin were observed for leaks for approximately 30 minutes. If the water levels remained unchanged, the seals were considered intact, the water removed, and the VI samples collected.

The VI samples were collected in 1.5-liter “Summa” canisters with a vacuum reading of 28 pounds per square inch (psi). The canister connections were checked prior to sampling. The cannisters were connected by quick-connect fittings to the combination flow controllers/

pressure gauges prior to the start of sampling and prior to the installation of poly tubing to the flow controllers. Vacuum leaks from the quick-connect fittings were evaluated by connecting the flow controllers to the Summa cannisters with the sealed solid brass caps remaining in place on the flow controllers. If the vacuum gauges showed no pressure loss after connection, the quick connect seals were deemed leak free. The flow controller/vacuum gauge assemblies were then removed from the Summa cannisters, and a length of poly tubing and silicone tubing was attached to the flow controllers with ferrules and brass caps. A hand-operated vacuum pump was attached to the flexible silicone tubing at the end of the poly lines, and a vacuum of 10 psi was applied to the lines to check the connections between the lines and flow controllers. If the lines held vacuum of 10 psi for 30 seconds, the line connections were deemed leak free.

The VI samples were collected by connecting to the silicone tubing ends directly to the VI pins, and the quick-connect flow controllers to the Summa canisters, to initiate the connection. The flow controllers allowed vapors to enter the canisters at an approximate rate of 100 milliliters per minute (ml/min), over approximately 15 minutes. The samples were fully collected if vacuum readings on the gauge were 2 psi or less. The flow controllers were removed, and the sampling completed. The Summa cannisters were marked with appropriate sample data, including sample location, date, and start and end pressure readings. The VI pins were then covered with small rubber fittings and protected with screw-on stainless steel covers. The filled Summas were placed in a sample cooler and sent to the laboratory, using standard chain of custody protocol.

The VI samples collected were analyzed by a WDNR-certified laboratory for volatile organic compounds (VOCs) by Compendium Method TO-15.

Results and Discussion

Notable Observations. During a review of the building layout and prior to the installation of the VI sample pins, the interior of the building was inspected for cracks in the concrete floor and floor drains, other openings in the concrete floor, poorly-caulked pipe protrusions, or other potential sources for vapors to enter the building through the floor.

Some minor cracking and jointing were noted on the concrete floor on the west (older) side of the building (Photo 1, attached). The concrete floor in the retail area on the east side of the building was covered by carpeting and tiles, and could not be observed (Photo 2). The concrete floor in the north storage areas appeared to be in good condition, with relatively few cracks. The concrete on the northeast storage area contained several expansion joints, which appeared to be adequately caulked where observed (Photos 3 and 4).

A single, large floor drain (Photo 5 and Figure 2) was observed in the bicycle shop near the northwest corner of the building. The drain was likely constructed as an oil/water separator. The floor grate was removed and revealed the drain to be filled with liquid. A photoionization (PID) reading of the drain revealed a reading of over 800 parts per million

(ppm) relative to the isobutylene gas standard. Chemicals stored in the area and used by the bicycle service technicians generally consisted of water-soluble materials and would not likely cause an elevated PID response.

Ambient air PID readings near the VI sample pins ranged from 4.5 ppm to 31.6 ppm, with the highest ambient reading measured in the bicycle shop, adjacent to the floor drain.

VI Sampling Results. The laboratory results provided in Attachment A and summarized in Table 1 show trichloroethylene (TCE) vapors are present in the sub-slab of your building at concentrations that are up to 19 times over the Wisconsin Small Commercial Vapor Risk Screening Level (VRSL) sub-slab standard of 290 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$). The TCE Sub-slab concentration ranged from 42 micrograms $\mu\text{g}/\text{m}^3$, on the southeast corner of your building, to a high of 5,500 $\mu\text{g}/\text{m}^3$ in the repair shop, near the northwest corner of the building. The source of the TCE could not be determined by the VI investigation.

An isoconcentration contour map representing an interpretation of the TCE results is provided on the attached Figure 2. The contours demonstrate that TCE vapors are highest in the bicycle repair shop area (5,500 $\mu\text{g}/\text{m}^3$) with the lowest concentrations generally identified to the south and southeast. The least impacted areas within the building are in the southeast corner, where TCE vapor was identified at 42 $\mu\text{g}/\text{m}^3$. Based on the TCE isoconcentration contours, groundwater likely flows in an east-southeasterly direction. Groundwater beneath the building is estimated at 6 to 7 feet below grade. We note this as TCE readily dissolves in groundwater, and is likely transported with it.

The potential sources of the TCE vapor impacts include the adjacent, off-site garage, other upgradient locations, the Site itself, or a combination thereof. Without additional soil and/or groundwater evaluation, the source(s) of the TCE contamination cannot be determined.

Conclusions and Recommendations

The VI sampling completed on October 6, 2022, was adequate to evaluate the extent of sub-slab TCE vapor impacts beneath the building. We have reached the following conclusions related to the investigation:

1. The concentrations of TCE in the sub-slab are at levels harmful to the health and wellbeing of building occupants and customers. TCE concentrations in 7 of the 8 samples collected from inside the building exceeded the 290 $\mu\text{g}/\text{m}^3$ VISL established for a small commercial building, by factors between 2 and 19 times.
2. The source of the sub-slab TCE contamination was not identified by the VI sampling.

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Based on the findings, we recommend the following for the Site building:

1. Design and install a sub-slab depressurization system that mitigates TCE VISLs to less than 290 µg/m³ and meets ambient air requirements.
2. Permanently seal the shop floor drain to prevent further discharge of TCE-impacted vapors to the building.
3. Prepare an operation and maintenance (O&M) plan for the depressurization system. This provides general information regarding the system, construction documentation, scheduled system inspections, and upkeep of a system maintenance log.

Thank you for allowing us to complete this work. If you have any questions, please feel free to contact me at (262) 250-1226 or at rthomson@hyde-env.com.

Sincerely,
HYDE ENVIRONMENTAL, INC.



Robert B. Thomson, P.G.
Project Geologist

RBT/cp/pss

Attachments

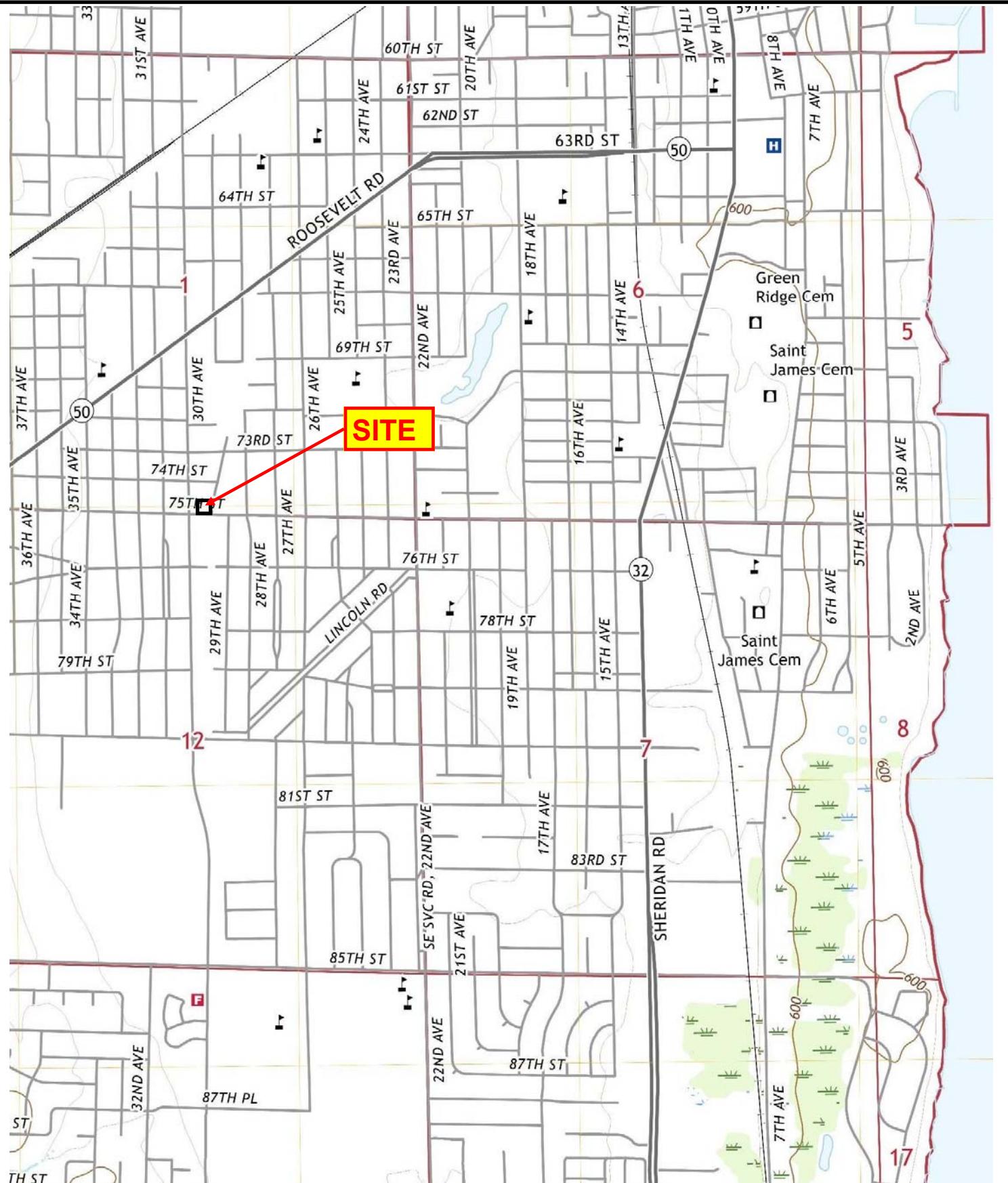


FIGURE 1
SITE LOCATION MAP

Ruffolo Property
2926/2930 75th St.
Kenosha WI

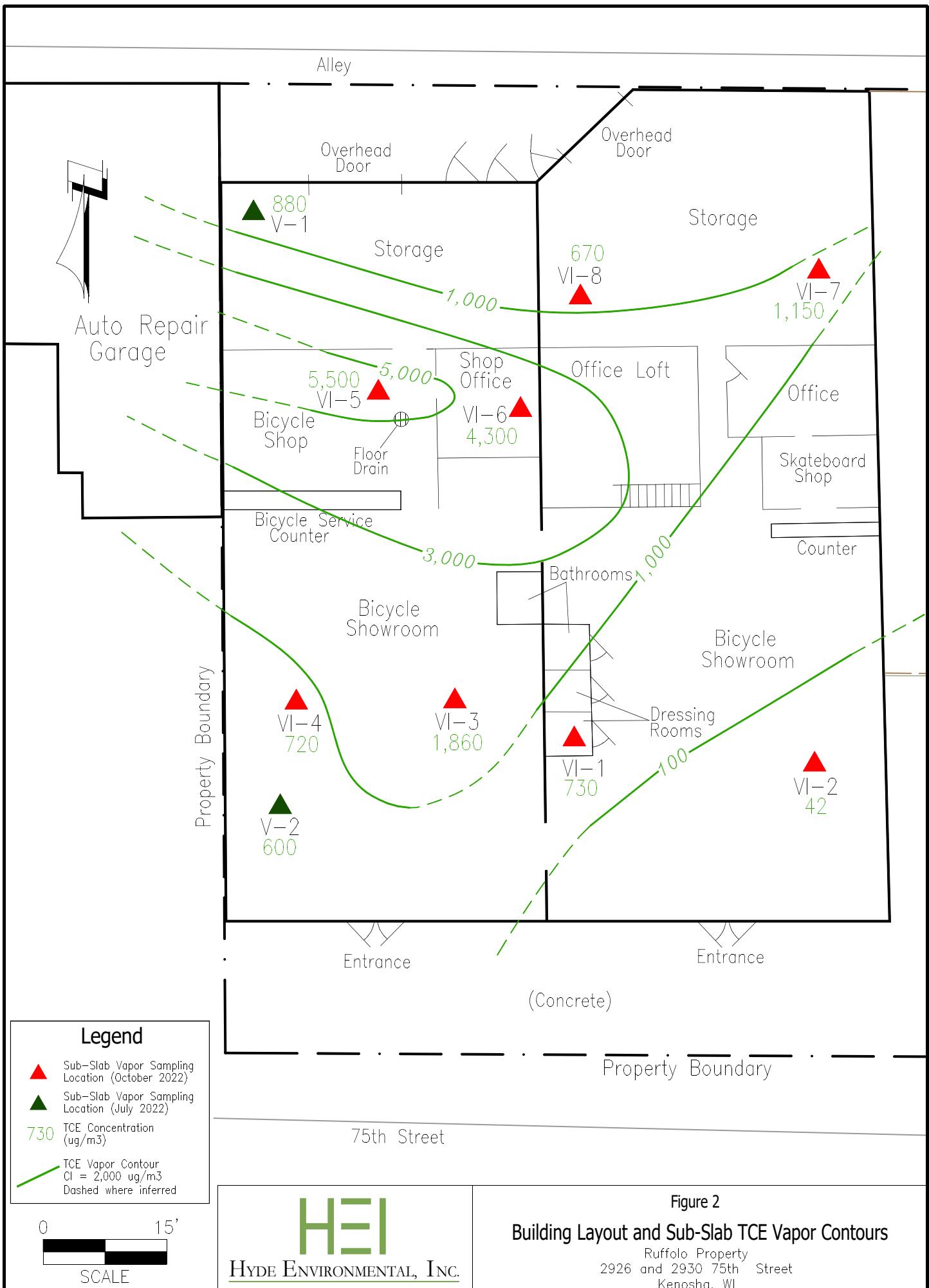




Photo #1 Cracking on concrete floor on west (older) side of building



Photo #2 Retail area, on east side of building



Photo #3 Expansion joints on northeast storage area concrete floor



Photo #4 Minor cracking in concrete in northeast storage room



Photo #5 Floor drain in bicycle shop, near the northwest corner of building

TABLE 1. Sub-Slab Vapor Data Summary

Ruffolo Property

2926-30 75th St., Kenosha, WI

TO-15 - Volatile Organic Compounds	WI Residential Vapor Risk Screening Level (VRSL) (Sub-Slab)	WI Small Commercial Vapor Risk Screening Level (VRSL) (Sub-Slab)	V-1	V-2	VI-1	VI-2	VI-3	VI-4	VI-5	VI-6	VI-7	VI-8
			7/8/2022		10/6/2022							
	(µg/m³)											
Acetone	--	--	240	360	136	275	122	900	1,550	260	149	274
Benzene	120	520	* <2.4	16	1.34	1.69	3.3	1.79	6.2	5.3	2.17	18.1
2-Butanone (MEK)	170,000	730,000	<5.0	4.6 J	5.7	16.1	2.03	6.5	17.6	5.5	9.6	8.6
Carbon disulfide	24,000	100,000	<4.0	4.4 J	14.2	7.9	38	3.14	5.5	5.0	6.3	40
Carbon Tetrachloride	160	680	* <2.0	<1.0	0.38 J	<0.307	1.32	0.69 J	3.02	2.83	0.38 J	0.38 J
Chlorobenzene	1,700	7,300	<2.0	<0.99	<0.251	<0.251	0.32 J	<0.251	<0.251	<0.251	<0.251	<0.251
Chloroform	41	180	4.1 J	5.3	1.02	1.31	1.22	2.38	14.1	5.0	41	1.75
Cyclohexane	210,000	880,000	<1.2	20	1.27	2.75	0.55 J	0.72	1.82	1.65	3.6	8.2
1,3-Dichlorobenzene	--	--	<5.4	<2.7	1.56	2.46	2.82	2.34	2.46	2.28	3.3	1.56
Dichlorodifluoromethane	3,500	15,000	<5.4	<2.7	2.82	2.27	2.67	2.82	2.67	2.87	2.82	2.97
cis-1,2-Dichloroethene	1,400	5,800	* <1.3	<0.65	<0.197	<0.197	<0.197	<0.197	0.55 J	<0.197	<0.197	<0.197
1,4-Dioxane	190	820	<61	<31	<0.057	<0.057	<0.157	<0.342	10.6	<0.157	<0.157	<0.157
Ethanol	--	--	na	na	243	261	95	270	1,650	420	244	330
Ethyl Acetate	2,400	10,000	na	na	1.01	1.15	1.04	1.37	1.37	1.19	<0.176	0.83
Ethylbenzene	370	1,600	* <4.3	14	1.26	1.95	2.9	51	1.78	2.04	1.95	4.1
4-Ethyltoluene	--	--	na	na	0.64 J	1.03	1.13	3.3	0.93	0.69	0.74	0.88
Heptane	14,000	58,000	na	na	2.49	3.9	1.06	1.31	3.5	4.9	4.5	16.3
n-Hexane	24,000	100,000	32	41	9.2	9.7	5.7	5.9	10.1	15.6	14.7	21.8
2-Hexanone	1,000	4,400	na	na	0.65 J	1.27	<0.222	1.8	3.2	1.1	0.94	0.82
Isopropyl alcohol	7,000	29,200	79 J	99	15.1	17.4	14.5	68	219	24.4	17.3	28.7
Isopropylbenzene	14,000	58,000	<1.8	1.1 J	na	na	na	na	na	na	na	na
4-Methyl-2-pentanone (MIBK)	100,000	440,000	<7.8	120	1.06	1.8	19.9	111	10.4	1.27	1.23	1.64
Methylene Chloride	21,000	88,000	* <5.9	4.6 J	18.8	20	22.1	20.2	25.3	33	30.9	22.5
Methyl tert-butyl ether	3,700	16,000	* 5.6 J	4.3	0.50 J	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
Naphthalene	70	290	* <8.9	<4.5	0.84 J	0.94 J	8.3	0.99 J	0.68 J	0.68 J	<0.675	<0.675
Styrene	--	--	<1.4	<0.68	0.64	0.85	0.60	0.77	0.81	0.64	0.98	0.51 J
Tetrachloroethene (PCE)	1,400	5,800	* 4.4 J	2.8 J	9.4	9.6	12.1	8.8	39	11.1	18.3	18.1
Tetrahydrofuran	70,000	290,000	<35	<18	0.71	1.0	1.09	1.03	1.8	0.94	0.77	1.0
Toluene	170,000	730,000	8.4	25	5.9	6.7	7.3	7.2	8.5	7.6	10.5	22.9
1,1,1-Trichloroethane (1,1,1-TCA)	170,000	730,000	* 7.8 J	7.5	9.9	11.1	96	39	320	180	13.8	8.5
Trichloroethene (TCE)	70	290	* 880	600	730	42	1,860	720	5,500	4,300	1,150	670
Trichlorotrifluoroethane	--	--	* <2.9	<	1.8	1.97	1.74	1.8	1.8	1.85	1.91	1.8
Trichlorotrifluoroethane	174,000	730,000	na	na	0.77 J	0.92 J	0.77 J	0.77 J	0.77 J	0.84 J	0.92 J	0.77 J
1,2,4-Trimethylbenzene	2,100	8,700	* 5.9 J	15	1.96	2.75	2.94	15.9	3.3	2.26	2.21	2.89
1,3,5-Trimethylbenzene	2,100	8,700	* <2.2	5.0	0.54 J	0.69 J	0.83	6.7	1.08	0.64 J	0.64 J	0.98
Xylene (total)	3,500	15,000	* <11	66	na	na	na	na	na	na	na	na
m-Xylene & p-Xylene	3,500	15,000	10 J	49	3.5	5.2	10.7	177	5.0	3.9	4.6	6.2
o-Xylene	3,500	15,000	<4.1	19	1.43	2.17	4.2	115	2.04	1.73	2.12	3.4

Notes:

Bold and italicized indicates compound exceeds Commercial VRSL.

(*) Denotes WI Quick Look-Up Table, Vapor Risk Screening Levels (VRSLs) (May 2022)

Not all analyzed compounds shown. See lab report for complete results and data flags.

< = less than laboratory MDL

-- = No standard set

µg/m³ = Micrograms per cubic meter

na = Not analyzed

J = Estimated value, reported value is between the laboratory reporting limit and laboratory method detection limit (MDL)



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2926 and 2930 75th St., Kenosha, WI 53143

November 1, 2022

ATTACHMENT A

Laboratory Data Report

Synergy Environmental Lab, LLC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

BOB THOMSON
HYDE ENVIRONMENTAL
W175 N11163 STONEWOOD DRIVE
GERMANTOWN, WI 53022

Report Date 14-Oct-22

Project Name RUFFOLO KENOSHA
Project #

Invoice # E41562

Lab Code 5041562A
Sample ID VI-1
Sample Matrix Air
Sample Date 10/6/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
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Organic

Air Samples

Acetone	136	ug/m3	2.99	9.5	10	TO-15		10/12/2022	CJR	1
Benzene	1.34	ug/m3	0.136	0.433	1	TO-15		10/12/2022	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		10/12/2022	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		10/12/2022	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		10/12/2022	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		10/12/2022	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		10/12/2022	CJR	1
Carbon Disulfide	14.2	ug/m3	0.138	0.44	1	TO-15		10/12/2022	CJR	1
Carbon Tetrachloride	0.38 "J"	ug/m3	0.307	0.978	1	TO-15		10/12/2022	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		10/12/2022	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		10/12/2022	CJR	1
Chloroform	1.02	ug/m3	0.3	0.953	1	TO-15		10/12/2022	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		10/12/2022	CJR	1
Cyclohexane	1.27	ug/m3	0.212	0.674	1	TO-15		10/12/2022	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		10/12/2022	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		10/12/2022	CJR	1
1,3-Dichlorobenzene	1.56	ug/m3	0.302	0.96	1	TO-15		10/12/2022	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		10/12/2022	CJR	1
Dichlorodifluoromethane	2.82	ug/m3	0.263	0.836	1	TO-15		10/12/2022	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		10/12/2022	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		10/12/2022	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		10/12/2022	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		10/12/2022	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		10/12/2022	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		10/12/2022	CJR	1

Project Name RUFFOLO KENOSHA
Project #

Invoice # E41562

Lab Code 5041562A
Sample ID VI-1
Sample Matrix Air
Sample Date 10/6/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		10/12/2022	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		10/12/2022	CJR	1
1,2-Dichlortetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		10/12/2022	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		10/12/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		10/12/2022	CJR	1
Ethanol	243	ug/m3	1.52	4.82	10	TO-15		10/12/2022	CJR	1
Ethyl Acetate	1.01	ug/m3	0.176	0.559	1	TO-15		10/12/2022	CJR	1
Ethylbenzene	1.26	ug/m3	0.203	0.645	1	TO-15		10/12/2022	CJR	1
4-Ethyltoluene	0.64 "J"	ug/m3	0.214	0.681	1	TO-15		10/12/2022	CJR	1
Heptane	2.49	ug/m3	0.265	0.845	1	TO-15		10/12/2022	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		10/12/2022	CJR	1
Hexane	9.2	ug/m3	0.235	0.748	1	TO-15		10/12/2022	CJR	1
2-Hexanone	0.65 "J"	ug/m3	0.222	0.707	1	TO-15		10/12/2022	CJR	1
Isopropyl Alcohol	15.1	ug/m3	0.109	0.347	1	TO-15		10/12/2022	CJR	1
Methyl ethyl ketone (MEK)	5.7	ug/m3	0.178	0.567	1	TO-15		10/12/2022	CJR	1
Methyl isobutyl ketone (MIBK)	1.06	ug/m3	0.168	0.536	1	TO-15		10/12/2022	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		10/12/2022	CJR	1
Methylene chloride	18.8	ug/m3	0.159	0.506	1	TO-15		10/12/2022	CJR	1 42
Methyl tert-butyl ether (MTBE)	0.50 "J"	ug/m3	0.16	0.509	1	TO-15		10/12/2022	CJR	1
Naphthalene	0.84 "J"	ug/m3	0.675	2.15	1	TO-15		10/12/2022	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		10/12/2022	CJR	1
Styrene	0.64	ug/m3	0.181	0.577	1	TO-15		10/12/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		10/12/2022	CJR	1
Tetrachloroethene	9.4	ug/m3	0.278	0.884	1	TO-15		10/12/2022	CJR	1
Tetrahydrofuran	0.71	ug/m3	0.131	0.417	1	TO-15		10/12/2022	CJR	1
Toluene	5.9	ug/m3	0.184	0.585	1	TO-15		10/12/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		10/12/2022	CJR	1
1,1,1-Trichloroethane	9.9	ug/m3	0.249	0.793	1	TO-15		10/12/2022	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		10/12/2022	CJR	1
Trichloroethene (TCE)	730	ug/m3	2.37	7.54	10	TO-15		10/12/2022	CJR	1
Trichlorofluoromethane	1.8	ug/m3	0.337	1.07	1	TO-15		10/12/2022	CJR	1
Trichlorotrifluoroethane	0.77 "J"	ug/m3	0.402	1.28	1	TO-15		10/12/2022	CJR	1
1,2,4-Trimethylbenzene	1.96	ug/m3	0.283	0.899	1	TO-15		10/12/2022	CJR	1
1,3,5-Trimethylbenzene	0.54 "J"	ug/m3	0.232	0.739	1	TO-15		10/12/2022	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		10/12/2022	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		10/12/2022	CJR	1
m&p-Xylene	3.5	ug/m3	0.377	1.2	1	TO-15		10/12/2022	CJR	1
o-Xylene	1.43	ug/m3	0.218	0.695	1	TO-15		10/12/2022	CJR	1

Project Name RUFFOLO KENOSHA
Project #

Invoice # E41562

Lab Code 5041562B
Sample ID VI-2
Sample Matrix Air
Sample Date 10/6/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	275	ug/m3	0.299	0.95	1	TO-15		10/12/2022	CJR	10
Benzene	1.69	ug/m3	0.136	0.433	1	TO-15		10/12/2022	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		10/12/2022	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		10/12/2022	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		10/12/2022	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		10/12/2022	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		10/12/2022	CJR	1
Carbon Disulfide	7.9	ug/m3	0.138	0.44	1	TO-15		10/12/2022	CJR	1
Carbon Tetrachloride	< 0.307	ug/m3	0.307	0.978	1	TO-15		10/12/2022	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		10/12/2022	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		10/12/2022	CJR	1
Chloroform	1.31	ug/m3	0.3	0.953	1	TO-15		10/12/2022	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		10/12/2022	CJR	1
Cyclohexane	2.75	ug/m3	0.212	0.674	1	TO-15		10/12/2022	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		10/12/2022	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		10/12/2022	CJR	1
1,3-Dichlorobenzene	2.46	ug/m3	0.302	0.96	1	TO-15		10/12/2022	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		10/12/2022	CJR	1
Dichlorodifluoromethane	2.27	ug/m3	0.263	0.836	1	TO-15		10/12/2022	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		10/12/2022	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		10/12/2022	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		10/12/2022	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		10/12/2022	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		10/12/2022	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		10/12/2022	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		10/12/2022	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		10/12/2022	CJR	1
1,2-Dichlortetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		10/12/2022	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		10/12/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		10/12/2022	CJR	1
Ethanol	261	ug/m3	0.152	0.482	1	TO-15		10/12/2022	CJR	10
Ethyl Acetate	1.15	ug/m3	0.176	0.559	1	TO-15		10/12/2022	CJR	1
Ethylbenzene	1.95	ug/m3	0.203	0.645	1	TO-15		10/12/2022	CJR	1
4-Ethyltoluene	1.03	ug/m3	0.214	0.681	1	TO-15		10/12/2022	CJR	1
Heptane	3.9	ug/m3	0.265	0.845	1	TO-15		10/12/2022	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		10/12/2022	CJR	1
Hexane	9.7	ug/m3	0.235	0.748	1	TO-15		10/12/2022	CJR	1
2-Hexanone	1.27	ug/m3	0.222	0.707	1	TO-15		10/12/2022	CJR	1
Isopropyl Alcohol	17.4	ug/m3	0.109	0.347	1	TO-15		10/12/2022	CJR	1
Methyl ethyl ketone (MEK)	16.1	ug/m3	0.178	0.567	1	TO-15		10/12/2022	CJR	1
Methyl isobutyl ketone (MIBK)	1.8	ug/m3	0.168	0.536	1	TO-15		10/12/2022	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		10/12/2022	CJR	1
Methylene chloride	20	ug/m3	0.159	0.506	1	TO-15		10/12/2022	CJR	142
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		10/12/2022	CJR	1

Project Name RUFFOLO KENOSHA
Project #

Invoice # E41562

Lab Code 5041562B
Sample ID VI-2
Sample Matrix Air
Sample Date 10/6/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	0.94 "J"	ug/m3	0.675	2.15	1	TO-15		10/12/2022	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		10/12/2022	CJR	1
Styrene	0.85	ug/m3	0.181	0.577	1	TO-15		10/12/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		10/12/2022	CJR	1
Tetrachloroethene	9.6	ug/m3	0.278	0.884	1	TO-15		10/12/2022	CJR	1
Tetrahydrofuran	1.0	ug/m3	0.131	0.417	1	TO-15		10/12/2022	CJR	1
Toluene	6.7	ug/m3	0.184	0.585	1	TO-15		10/12/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		10/12/2022	CJR	1
1,1,1-Trichloroethane	11.1	ug/m3	0.249	0.793	1	TO-15		10/12/2022	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		10/12/2022	CJR	1
Trichloroethene (TCE)	42	ug/m3	0.237	0.754	1	TO-15		10/12/2022	CJR	1
Trichlorofluoromethane	1.97	ug/m3	0.337	1.07	1	TO-15		10/12/2022	CJR	1
Trichlorotrifluoroethane	0.92 "J"	ug/m3	0.402	1.28	1	TO-15		10/12/2022	CJR	1
1,2,4-Trimethylbenzene	2.75	ug/m3	0.283	0.899	1	TO-15		10/12/2022	CJR	1
1,3,5-Trimethylbenzene	0.69 "J"	ug/m3	0.232	0.739	1	TO-15		10/12/2022	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		10/12/2022	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		10/12/2022	CJR	1
m&p-Xylene	5.2	ug/m3	0.377	1.2	1	TO-15		10/12/2022	CJR	1
o-Xylene	2.17	ug/m3	0.218	0.695	1	TO-15		10/12/2022	CJR	1

Project Name RUFFOLO KENOSHA
Project #

Invoice # E41562

Lab Code 5041562C
Sample ID VI-3
Sample Matrix Air
Sample Date 10/6/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	122	ug/m3	5.98	19	20	TO-15		10/12/2022	CJR	1
Benzene	3.3	ug/m3	0.136	0.433	1	TO-15		10/12/2022	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		10/12/2022	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		10/12/2022	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		10/12/2022	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		10/12/2022	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		10/12/2022	CJR	1
Carbon Disulfide	38	ug/m3	0.138	0.44	1	TO-15		10/12/2022	CJR	1
Carbon Tetrachloride	1.32	ug/m3	0.307	0.978	1	TO-15		10/12/2022	CJR	1
Chlorobenzene	0.32 "J"	ug/m3	0.251	0.798	1	TO-15		10/12/2022	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		10/12/2022	CJR	1
Chloroform	1.22	ug/m3	0.3	0.953	1	TO-15		10/12/2022	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		10/12/2022	CJR	1
Cyclohexane	0.55 "J"	ug/m3	0.212	0.674	1	TO-15		10/12/2022	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		10/12/2022	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		10/12/2022	CJR	1
1,3-Dichlorobenzene	2.82	ug/m3	0.302	0.96	1	TO-15		10/12/2022	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		10/12/2022	CJR	1
Dichlorodifluoromethane	2.67	ug/m3	0.263	0.836	1	TO-15		10/12/2022	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		10/12/2022	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		10/12/2022	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		10/12/2022	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		10/12/2022	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		10/12/2022	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		10/12/2022	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		10/12/2022	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		10/12/2022	CJR	1
1,2-Dichlortetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		10/12/2022	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		10/12/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		10/12/2022	CJR	1
Ethanol	95	ug/m3	3.04	9.64	20	TO-15		10/12/2022	CJR	1
Ethyl Acetate	1.04	ug/m3	0.176	0.559	1	TO-15		10/12/2022	CJR	1
Ethylbenzene	2.9	ug/m3	0.203	0.645	1	TO-15		10/12/2022	CJR	1
4-Ethyltoluene	1.13	ug/m3	0.214	0.681	1	TO-15		10/12/2022	CJR	1
Heptane	1.06	ug/m3	0.265	0.845	1	TO-15		10/12/2022	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		10/12/2022	CJR	1
Hexane	5.7	ug/m3	0.235	0.748	1	TO-15		10/12/2022	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		10/12/2022	CJR	1
Isopropyl Alcohol	14.5	ug/m3	0.109	0.347	1	TO-15		10/12/2022	CJR	1
Methyl ethyl ketone (MEK)	2.03	ug/m3	0.178	0.567	1	TO-15		10/12/2022	CJR	1
Methyl isobutyl ketone (MIBK)	19.9	ug/m3	0.168	0.536	1	TO-15		10/12/2022	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		10/12/2022	CJR	1
Methylene chloride	22.1	ug/m3	0.159	0.506	1	TO-15		10/12/2022	CJR	142
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		10/12/2022	CJR	1

Project Name RUFFOLO KENOSHA
Project #

Invoice # E41562

Lab Code 5041562C
Sample ID VI-3
Sample Matrix Air
Sample Date 10/6/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	8.3	ug/m3	0.675	2.15	1	TO-15		10/12/2022	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		10/12/2022	CJR	1
Styrene	0.60	ug/m3	0.181	0.577	1	TO-15		10/12/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		10/12/2022	CJR	1
Tetrachloroethene	12.1	ug/m3	0.278	0.884	1	TO-15		10/12/2022	CJR	1
Tetrahydrofuran	1.09	ug/m3	0.131	0.417	1	TO-15		10/12/2022	CJR	1
Toluene	7.3	ug/m3	0.184	0.585	1	TO-15		10/12/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		10/12/2022	CJR	1
1,1,1-Trichloroethane	96	ug/m3	0.249	0.793	1	TO-15		10/12/2022	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		10/12/2022	CJR	1
Trichloroethene (TCE)	1860	ug/m3	4.74	15.08	20	TO-15		10/12/2022	CJR	1
Trichlorofluoromethane	1.74	ug/m3	0.337	1.07	1	TO-15		10/12/2022	CJR	1
Trichlorotrifluoroethane	0.77 "J"	ug/m3	0.402	1.28	1	TO-15		10/12/2022	CJR	1
1,2,4-Trimethylbenzene	2.94	ug/m3	0.283	0.899	1	TO-15		10/12/2022	CJR	1
1,3,5-Trimethylbenzene	0.83	ug/m3	0.232	0.739	1	TO-15		10/12/2022	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		10/12/2022	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		10/12/2022	CJR	1
m&p-Xylene	10.7	ug/m3	0.377	1.2	1	TO-15		10/12/2022	CJR	1
o-Xylene	4.2	ug/m3	0.218	0.695	1	TO-15		10/12/2022	CJR	1

Project Name RUFFOLO KENOSHA
Project #

Invoice # E41562

Lab Code 5041562D
Sample ID VI-4
Sample Matrix Air
Sample Date 10/6/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	900	ug/m3	2.99	9.5	10	TO-15		10/12/2022	CJR	1
Benzene	1.79	ug/m3	0.136	0.433	1	TO-15		10/12/2022	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		10/12/2022	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		10/12/2022	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		10/12/2022	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		10/12/2022	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		10/12/2022	CJR	1
Carbon Disulfide	3.14	ug/m3	0.138	0.44	1	TO-15		10/12/2022	CJR	1
Carbon Tetrachloride	0.69 "J"	ug/m3	0.307	0.978	1	TO-15		10/12/2022	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		10/12/2022	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		10/12/2022	CJR	1
Chloroform	2.38	ug/m3	0.3	0.953	1	TO-15		10/12/2022	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		10/12/2022	CJR	1
Cyclohexane	0.72	ug/m3	0.212	0.674	1	TO-15		10/12/2022	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		10/12/2022	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		10/12/2022	CJR	1
1,3-Dichlorobenzene	2.34	ug/m3	0.302	0.96	1	TO-15		10/12/2022	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		10/12/2022	CJR	1
Dichlorodifluoromethane	2.82	ug/m3	0.263	0.836	1	TO-15		10/12/2022	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		10/12/2022	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		10/12/2022	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		10/12/2022	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		10/12/2022	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		10/12/2022	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		10/12/2022	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		10/12/2022	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		10/12/2022	CJR	1
1,2-Dichlortetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		10/12/2022	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		10/12/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		10/12/2022	CJR	1
Ethanol	270	ug/m3	1.52	4.82	10	TO-15		10/12/2022	CJR	1
Ethyl Acetate	1.37	ug/m3	0.176	0.559	1	TO-15		10/12/2022	CJR	1
Ethylbenzene	51	ug/m3	0.203	0.645	1	TO-15		10/12/2022	CJR	1
4-Ethyltoluene	3.3	ug/m3	0.214	0.681	1	TO-15		10/12/2022	CJR	1
Heptane	1.31	ug/m3	0.265	0.845	1	TO-15		10/12/2022	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		10/12/2022	CJR	1
Hexane	5.9	ug/m3	0.235	0.748	1	TO-15		10/12/2022	CJR	1
2-Hexanone	1.8	ug/m3	0.222	0.707	1	TO-15		10/12/2022	CJR	1
Isopropyl Alcohol	68	ug/m3	0.109	0.347	1	TO-15		10/12/2022	CJR	1
Methyl ethyl ketone (MEK)	6.5	ug/m3	0.178	0.567	1	TO-15		10/12/2022	CJR	1
Methyl isobutyl ketone (MIBK)	111	ug/m3	0.168	0.536	1	TO-15		10/12/2022	CJR	1
Methyl Methacrylate	1.06	ug/m3	0.217	0.69	1	TO-15		10/12/2022	CJR	1
Methylene chloride	20.2	ug/m3	0.159	0.506	1	TO-15		10/12/2022	CJR	142
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		10/12/2022	CJR	1

Project Name RUFFOLO KENOSHA
Project #

Invoice # E41562

Lab Code 5041562D
Sample ID VI-4
Sample Matrix Air
Sample Date 10/6/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	0.99 "J"	ug/m3	0.675	2.15	1	TO-15		10/12/2022	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		10/12/2022	CJR	1
Styrene	0.77	ug/m3	0.181	0.577	1	TO-15		10/12/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		10/12/2022	CJR	1
Tetrachloroethene	8.8	ug/m3	0.278	0.884	1	TO-15		10/12/2022	CJR	1
Tetrahydrofuran	1.03	ug/m3	0.131	0.417	1	TO-15		10/12/2022	CJR	1
Toluene	7.2	ug/m3	0.184	0.585	1	TO-15		10/12/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		10/12/2022	CJR	1
1,1,1-Trichloroethane	39	ug/m3	0.249	0.793	1	TO-15		10/12/2022	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		10/12/2022	CJR	1
Trichloroethene (TCE)	720	ug/m3	2.37	7.54	10	TO-15		10/12/2022	CJR	1
Trichlorofluoromethane	1.8	ug/m3	0.337	1.07	1	TO-15		10/12/2022	CJR	1
Trichlorotrifluoroethane	0.77 "J"	ug/m3	0.402	1.28	1	TO-15		10/12/2022	CJR	1
1,2,4-Trimethylbenzene	15.9	ug/m3	0.283	0.899	1	TO-15		10/12/2022	CJR	1
1,3,5-Trimethylbenzene	6.7	ug/m3	0.232	0.739	1	TO-15		10/12/2022	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		10/12/2022	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		10/12/2022	CJR	1
m&p-Xylene	177	ug/m3	0.377	1.2	1	TO-15		10/12/2022	CJR	1
o-Xylene	115	ug/m3	0.218	0.695	1	TO-15		10/12/2022	CJR	1

Project Name RUFFOLO KENOSHA
Project #

Invoice # E41562

Lab Code 5041562E
Sample ID VI-5
Sample Matrix Air
Sample Date 10/6/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	1550	ug/m3	29.9	95	100	TO-15		10/12/2022	CJR	1
Benzene	6.2	ug/m3	0.136	0.433	1	TO-15		10/12/2022	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		10/12/2022	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		10/12/2022	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		10/12/2022	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		10/12/2022	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		10/12/2022	CJR	1
Carbon Disulfide	5.5	ug/m3	0.138	0.44	1	TO-15		10/12/2022	CJR	1
Carbon Tetrachloride	3.02	ug/m3	0.307	0.978	1	TO-15		10/12/2022	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		10/12/2022	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		10/12/2022	CJR	1
Chloroform	14.1	ug/m3	0.3	0.953	1	TO-15		10/12/2022	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		10/12/2022	CJR	1
Cyclohexane	1.82	ug/m3	0.212	0.674	1	TO-15		10/12/2022	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		10/12/2022	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		10/12/2022	CJR	1
1,3-Dichlorobenzene	2.46	ug/m3	0.302	0.96	1	TO-15		10/12/2022	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		10/12/2022	CJR	1
Dichlorodifluoromethane	2.67	ug/m3	0.263	0.836	1	TO-15		10/12/2022	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		10/12/2022	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		10/12/2022	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		10/12/2022	CJR	1
cis-1,2-Dichloroethene	0.55 "J"	ug/m3	0.197	0.626	1	TO-15		10/12/2022	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		10/12/2022	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		10/12/2022	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		10/12/2022	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		10/12/2022	CJR	1
1,2-Dichlortetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		10/12/2022	CJR	1
1,4-Dioxane	10.6	ug/m3	0.157	0.5	1	TO-15		10/12/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		10/12/2022	CJR	1
Ethanol	1650	ug/m3	15.2	48.2	100	TO-15		10/12/2022	CJR	1
Ethyl Acetate	1.37	ug/m3	0.176	0.559	1	TO-15		10/12/2022	CJR	1
Ethylbenzene	1.78	ug/m3	0.203	0.645	1	TO-15		10/12/2022	CJR	1
4-Ethyltoluene	0.93	ug/m3	0.214	0.681	1	TO-15		10/12/2022	CJR	1
Heptane	3.5	ug/m3	0.265	0.845	1	TO-15		10/12/2022	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		10/12/2022	CJR	1
Hexane	10.1	ug/m3	0.235	0.748	1	TO-15		10/12/2022	CJR	1
2-Hexanone	3.2	ug/m3	0.222	0.707	1	TO-15		10/12/2022	CJR	1
Isopropyl Alcohol	219	ug/m3	10.9	34.7	100	TO-15		10/12/2022	CJR	1
Methyl ethyl ketone (MEK)	17.6	ug/m3	0.178	0.567	1	TO-15		10/12/2022	CJR	1
Methyl isobutyl ketone (MIBK)	10.4	ug/m3	0.168	0.536	1	TO-15		10/12/2022	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		10/12/2022	CJR	1
Methylene chloride	25.3	ug/m3	0.159	0.506	1	TO-15		10/12/2022	CJR	142
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		10/12/2022	CJR	1

Project Name RUFFOLO KENOSHA
Project #

Invoice # E41562

Lab Code 5041562E
Sample ID VI-5
Sample Matrix Air
Sample Date 10/6/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	0.68 "J"	ug/m3	0.675	2.15	1	TO-15		10/12/2022	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		10/12/2022	CJR	1
Styrene	0.81	ug/m3	0.181	0.577	1	TO-15		10/12/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		10/12/2022	CJR	1
Tetrachloroethene	39	ug/m3	0.278	0.884	1	TO-15		10/12/2022	CJR	1
Tetrahydrofuran	1.8	ug/m3	0.131	0.417	1	TO-15		10/12/2022	CJR	1
Toluene	8.5	ug/m3	0.184	0.585	1	TO-15		10/12/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		10/12/2022	CJR	1
1,1,1-Trichloroethane	320	ug/m3	24.9	79.3	100	TO-15		10/12/2022	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		10/12/2022	CJR	1
Trichloroethene (TCE)	5500	ug/m3	23.7	75.4	100	TO-15		10/12/2022	CJR	1
Trichlorofluoromethane	1.8	ug/m3	0.337	1.07	1	TO-15		10/12/2022	CJR	1
Trichlorotrifluoroethane	0.77 "J"	ug/m3	0.402	1.28	1	TO-15		10/12/2022	CJR	1
1,2,4-Trimethylbenzene	3.3	ug/m3	0.283	0.899	1	TO-15		10/12/2022	CJR	1
1,3,5-Trimethylbenzene	1.08	ug/m3	0.232	0.739	1	TO-15		10/12/2022	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		10/12/2022	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		10/12/2022	CJR	1
m&p-Xylene	5.0	ug/m3	0.377	1.2	1	TO-15		10/12/2022	CJR	1
o-Xylene	2.04	ug/m3	0.218	0.695	1	TO-15		10/12/2022	CJR	1

Project Name RUFFOLO KENOSHA
Project #

Invoice # E41562

Lab Code 5041562F
Sample ID VI-6
Sample Matrix Air
Sample Date 10/6/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	260	ug/m3	5.98	19	20	TO-15		10/12/2022	CJR	1
Benzene	5.3	ug/m3	0.136	0.433	1	TO-15		10/12/2022	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		10/12/2022	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		10/12/2022	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		10/12/2022	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		10/12/2022	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		10/12/2022	CJR	1
Carbon Disulfide	5.0	ug/m3	0.138	0.44	1	TO-15		10/12/2022	CJR	1
Carbon Tetrachloride	2.83	ug/m3	0.307	0.978	1	TO-15		10/12/2022	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		10/12/2022	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		10/12/2022	CJR	1
Chloroform	5.0	ug/m3	0.3	0.953	1	TO-15		10/12/2022	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		10/12/2022	CJR	1
Cyclohexane	1.65	ug/m3	0.212	0.674	1	TO-15		10/12/2022	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		10/12/2022	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		10/12/2022	CJR	1
1,3-Dichlorobenzene	2.28	ug/m3	0.302	0.96	1	TO-15		10/12/2022	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		10/12/2022	CJR	1
Dichlorodifluoromethane	2.87	ug/m3	0.263	0.836	1	TO-15		10/12/2022	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		10/12/2022	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		10/12/2022	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		10/12/2022	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		10/12/2022	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		10/12/2022	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		10/12/2022	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		10/12/2022	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		10/12/2022	CJR	1
1,2-Dichlortetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		10/12/2022	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		10/12/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		10/12/2022	CJR	1
Ethanol	420	ug/m3	3.04	9.64	20	TO-15		10/12/2022	CJR	1
Ethyl Acetate	1.19	ug/m3	0.176	0.559	1	TO-15		10/12/2022	CJR	1
Ethylbenzene	2.04	ug/m3	0.203	0.645	1	TO-15		10/12/2022	CJR	1
4-Ethyltoluene	0.69	ug/m3	0.214	0.681	1	TO-15		10/12/2022	CJR	1
Heptane	4.9	ug/m3	0.265	0.845	1	TO-15		10/12/2022	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		10/12/2022	CJR	1
Hexane	15.6	ug/m3	0.235	0.748	1	TO-15		10/12/2022	CJR	1
2-Hexanone	1.1	ug/m3	0.222	0.707	1	TO-15		10/12/2022	CJR	1
Isopropyl Alcohol	24.4	ug/m3	0.109	0.347	1	TO-15		10/12/2022	CJR	1
Methyl ethyl ketone (MEK)	5.5	ug/m3	0.178	0.567	1	TO-15		10/12/2022	CJR	1
Methyl isobutyl ketone (MIBK)	1.27	ug/m3	0.168	0.536	1	TO-15		10/12/2022	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		10/12/2022	CJR	1
Methylene chloride	33	ug/m3	0.159	0.506	1	TO-15		10/12/2022	CJR	142
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		10/12/2022	CJR	1

Project Name RUFFOLO KENOSHA
Project #

Invoice # E41562

Lab Code 5041562F
Sample ID VI-6
Sample Matrix Air
Sample Date 10/6/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	0.68 "J"	ug/m3	0.675	2.15	1	TO-15		10/12/2022	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		10/12/2022	CJR	1
Styrene	0.64	ug/m3	0.181	0.577	1	TO-15		10/12/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		10/12/2022	CJR	1
Tetrachloroethene	11.1	ug/m3	0.278	0.884	1	TO-15		10/12/2022	CJR	1
Tetrahydrofuran	0.94	ug/m3	0.131	0.417	1	TO-15		10/12/2022	CJR	1
Toluene	7.6	ug/m3	0.184	0.585	1	TO-15		10/12/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		10/12/2022	CJR	1
1,1,1-Trichloroethane	180	ug/m3	0.249	0.793	1	TO-15		10/12/2022	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		10/12/2022	CJR	1
Trichloroethene (TCE)	4300	ug/m3	4.74	15.08	20	TO-15		10/12/2022	CJR	1
Trichlorofluoromethane	1.85	ug/m3	0.337	1.07	1	TO-15		10/12/2022	CJR	1
Trichlorotrifluoroethane	0.84 "J"	ug/m3	0.402	1.28	1	TO-15		10/12/2022	CJR	1
1,2,4-Trimethylbenzene	2.26	ug/m3	0.283	0.899	1	TO-15		10/12/2022	CJR	1
1,3,5-Trimethylbenzene	0.64 "J"	ug/m3	0.232	0.739	1	TO-15		10/12/2022	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		10/12/2022	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		10/12/2022	CJR	1
m&p-Xylene	3.9	ug/m3	0.377	1.2	1	TO-15		10/12/2022	CJR	1
o-Xylene	1.73	ug/m3	0.218	0.695	1	TO-15		10/12/2022	CJR	1

Project Name RUFFOLO KENOSHA
Project #

Invoice # E41562

Lab Code 5041562G
Sample ID VI-7
Sample Matrix Air
Sample Date 10/6/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	149	ug/m3	2.99	9.5	10	TO-15		10/12/2022	CJR	1
Benzene	2.17	ug/m3	0.136	0.433	1	TO-15		10/12/2022	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		10/12/2022	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		10/12/2022	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		10/12/2022	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		10/12/2022	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		10/12/2022	CJR	1
Carbon Disulfide	6.3	ug/m3	0.138	0.44	1	TO-15		10/12/2022	CJR	1
Carbon Tetrachloride	0.38 "J"	ug/m3	0.307	0.978	1	TO-15		10/12/2022	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		10/12/2022	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		10/12/2022	CJR	1
Chloroform	41	ug/m3	0.3	0.953	1	TO-15		10/12/2022	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		10/12/2022	CJR	1
Cyclohexane	3.6	ug/m3	0.212	0.674	1	TO-15		10/12/2022	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		10/12/2022	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		10/12/2022	CJR	1
1,3-Dichlorobenzene	3.3	ug/m3	0.302	0.96	1	TO-15		10/12/2022	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		10/12/2022	CJR	1
Dichlorodifluoromethane	2.82	ug/m3	0.263	0.836	1	TO-15		10/12/2022	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		10/12/2022	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		10/12/2022	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		10/12/2022	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		10/12/2022	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		10/12/2022	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		10/12/2022	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		10/12/2022	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		10/12/2022	CJR	1
1,2-Dichlortetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		10/12/2022	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		10/12/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		10/12/2022	CJR	1
Ethanol	244	ug/m3	1.52	4.82	10	TO-15		10/12/2022	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		10/12/2022	CJR	1
Ethylbenzene	1.95	ug/m3	0.203	0.645	1	TO-15		10/12/2022	CJR	1
4-Ethyltoluene	0.74	ug/m3	0.214	0.681	1	TO-15		10/12/2022	CJR	1
Heptane	4.5	ug/m3	0.265	0.845	1	TO-15		10/12/2022	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		10/12/2022	CJR	1
Hexane	14.7	ug/m3	0.235	0.748	1	TO-15		10/12/2022	CJR	1
2-Hexanone	0.94	ug/m3	0.222	0.707	1	TO-15		10/12/2022	CJR	1
Isopropyl Alcohol	17.3	ug/m3	0.109	0.347	1	TO-15		10/12/2022	CJR	1
Methyl ethyl ketone (MEK)	9.6	ug/m3	0.178	0.567	1	TO-15		10/12/2022	CJR	1
Methyl isobutyl ketone (MIBK)	1.23	ug/m3	0.168	0.536	1	TO-15		10/12/2022	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		10/12/2022	CJR	1
Methylene chloride	30.9	ug/m3	0.159	0.506	1	TO-15		10/12/2022	CJR	142
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		10/12/2022	CJR	1

Project Name RUFFOLO KENOSHA
Project #

Invoice # E41562

Lab Code 5041562G
Sample ID VI-7
Sample Matrix Air
Sample Date 10/6/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		10/12/2022	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		10/12/2022	CJR	1
Styrene	0.98	ug/m3	0.181	0.577	1	TO-15		10/12/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		10/12/2022	CJR	1
Tetrachloroethene	18.3	ug/m3	0.278	0.884	1	TO-15		10/12/2022	CJR	1
Tetrahydrofuran	0.77	ug/m3	0.131	0.417	1	TO-15		10/12/2022	CJR	1
Toluene	10.5	ug/m3	0.184	0.585	1	TO-15		10/12/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		10/12/2022	CJR	1
1,1,1-Trichloroethane	13.8	ug/m3	0.249	0.793	1	TO-15		10/12/2022	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		10/12/2022	CJR	1
Trichloroethene (TCE)	1150	ug/m3	2.37	7.54	10	TO-15		10/12/2022	CJR	1
Trichlorofluoromethane	1.91	ug/m3	0.337	1.07	1	TO-15		10/12/2022	CJR	1
Trichlorotrifluoroethane	0.92 "J"	ug/m3	0.402	1.28	1	TO-15		10/12/2022	CJR	1
1,2,4-Trimethylbenzene	2.21	ug/m3	0.283	0.899	1	TO-15		10/12/2022	CJR	1
1,3,5-Trimethylbenzene	0.64 "J"	ug/m3	0.232	0.739	1	TO-15		10/12/2022	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		10/12/2022	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		10/12/2022	CJR	1
m&p-Xylene	4.6	ug/m3	0.377	1.2	1	TO-15		10/12/2022	CJR	1
o-Xylene	2.12	ug/m3	0.218	0.695	1	TO-15		10/12/2022	CJR	1

Project Name RUFFOLO KENOSHA
Project #

Invoice # E41562

Lab Code 5041562H
Sample ID VI-8
Sample Matrix Air
Sample Date 10/6/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	274	ug/m3	2.99	9.5	10	TO-15		10/13/2022	CJR	1
Benzene	18.1	ug/m3	0.136	0.433	1	TO-15		10/12/2022	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		10/12/2022	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		10/12/2022	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		10/12/2022	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		10/12/2022	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		10/12/2022	CJR	1
Carbon Disulfide	40	ug/m3	0.138	0.44	1	TO-15		10/12/2022	CJR	1
Carbon Tetrachloride	0.38 "J"	ug/m3	0.307	0.978	1	TO-15		10/12/2022	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		10/12/2022	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		10/12/2022	CJR	1
Chloroform	1.75	ug/m3	0.3	0.953	1	TO-15		10/12/2022	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		10/12/2022	CJR	1
Cyclohexane	8.2	ug/m3	0.212	0.674	1	TO-15		10/12/2022	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		10/12/2022	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		10/12/2022	CJR	1
1,3-Dichlorobenzene	1.56	ug/m3	0.302	0.96	1	TO-15		10/12/2022	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		10/12/2022	CJR	1
Dichlorodifluoromethane	2.97	ug/m3	0.263	0.836	1	TO-15		10/12/2022	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		10/12/2022	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		10/12/2022	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		10/12/2022	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		10/12/2022	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		10/12/2022	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		10/12/2022	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		10/12/2022	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		10/12/2022	CJR	1
1,2-Dichlortetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		10/12/2022	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		10/12/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		10/12/2022	CJR	1
Ethanol	330	ug/m3	1.52	4.82	10	TO-15		10/13/2022	CJR	1
Ethyl Acetate	0.83	ug/m3	0.176	0.559	1	TO-15		10/12/2022	CJR	1
Ethylbenzene	4.1	ug/m3	0.203	0.645	1	TO-15		10/12/2022	CJR	1
4-Ethyltoluene	0.88	ug/m3	0.214	0.681	1	TO-15		10/12/2022	CJR	1
Heptane	16.3	ug/m3	0.265	0.845	1	TO-15		10/12/2022	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		10/12/2022	CJR	1
Hexane	21.8	ug/m3	0.235	0.748	1	TO-15		10/12/2022	CJR	1
2-Hexanone	0.82	ug/m3	0.222	0.707	1	TO-15		10/12/2022	CJR	1
Isopropyl Alcohol	28.7	ug/m3	0.109	0.347	1	TO-15		10/12/2022	CJR	1
Methyl ethyl ketone (MEK)	8.6	ug/m3	0.178	0.567	1	TO-15		10/12/2022	CJR	1
Methyl isobutyl ketone (MIBK)	1.64	ug/m3	0.168	0.536	1	TO-15		10/12/2022	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		10/12/2022	CJR	1
Methylene chloride	22.5	ug/m3	0.159	0.506	1	TO-15		10/12/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		10/12/2022	CJR	1

Project Name RUFFOLO KENOSHA
Project #

Invoice # E41562

Lab Code 5041562H
Sample ID VI-8
Sample Matrix Air
Sample Date 10/6/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		10/12/2022	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		10/12/2022	CJR	1
Styrene	0.51 "J"	ug/m3	0.181	0.577	1	TO-15		10/12/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		10/12/2022	CJR	1
Tetrachloroethene	18.1	ug/m3	0.278	0.884	1	TO-15		10/12/2022	CJR	1
Tetrahydrofuran	1.0	ug/m3	0.131	0.417	1	TO-15		10/12/2022	CJR	1
Toluene	22.9	ug/m3	0.184	0.585	1	TO-15		10/12/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		10/12/2022	CJR	1
1,1,1-Trichloroethane	8.5	ug/m3	0.249	0.793	1	TO-15		10/12/2022	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		10/12/2022	CJR	1
Trichloroethene (TCE)	670	ug/m3	2.37	7.54	10	TO-15		10/13/2022	CJR	1
Trichlorofluoromethane	1.8	ug/m3	0.337	1.07	1	TO-15		10/12/2022	CJR	1
Trichlorotrifluoroethane	0.77 "J"	ug/m3	0.402	1.28	1	TO-15		10/12/2022	CJR	1
1,2,4-Trimethylbenzene	2.89	ug/m3	0.283	0.899	1	TO-15		10/12/2022	CJR	1
1,3,5-Trimethylbenzene	0.98	ug/m3	0.232	0.739	1	TO-15		10/12/2022	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		10/12/2022	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		10/12/2022	CJR	1
m&p-Xylene	6.2	ug/m3	0.377	1.2	1	TO-15		10/12/2022	CJR	1
o-Xylene	3.4	ug/m3	0.218	0.695	1	TO-15		10/12/2022	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code **Comment**

- | | |
|----|---|
| 1 | Laboratory QC within limits. |
| 10 | Linear range of calibration curve exceeded. |
| 42 | Result reported possibly due to laboratory contamination. |

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature



